

Claims

1. An installation for coating a workpiece with powder, wherein there is provided a powder spray device with a longitudinal axis and a principal spraying direction that differs from said longitudinal axis, wherein there is provided a carrier element, wherein said powder spray device is supported in such a manner as to capable of being rotated with respect to said carrier element, about a rotation axis and the principal spraying direction of the powder differs from said rotation axis.
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2. An installation in accordance with claim 1, wherein said rotation axis runs parallel to said longitudinal axis of said powder spray device.
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3. An installation in accordance with claim 1, wherein said powder spray device is provided with a nozzle and the alignment of said nozzle defines said principal spraying direction.
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4. An installation in accordance with claim 1, wherein said powder spray device is designed as a spray pistol.
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5. An installation in accordance with claim 1, wherein there is provided a booth and said powder spray device into said booth, wherein said carrier element is provided with a mounting and a guide arm, said powder spray device being connected with said guide arm by means of said mounting,
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- 30 and wherein said guide arm and said mounting are arranged outside said booth.

6. An installation in accordance with claim 5,
wherein on the guide arm there is provided a first
liner axle by means of which said powder spray device
can be made to perform translatory movements along a
5 first axis.
7. An installation in accordance with claim 6,
wherein said first linear axle is coupled with a sec-
ond linear axle by means of which said powder spray
device can be made to perform translatory movements
10 along a second axis.
8. An installation in accordance with claim 1,
wherein said mounting is provided with a drive for
the rotation of said powder spray device.
9. An installation in accordance with claim 8,
15 wherein said drive is provided with a step motor.
10. An installation in accordance with claim 1,
with a further powder spray device.
11. An installation in accordance with claim 10,
wherein said powder spray device and said further
20 powder spray device are connected with said guide arm
by means of said mounting and said first and/or said
second linear axle.
12. An installation in accordance with claim 10,
wherein said further powder spray device is connected
25 with said guide arm by means of a further mounting.
13. An installation in accordance with claim 10,
wherein said powder spray device is arranged on a
first longitudinal side of said booth,
wherein said further powder spray device is arranged
30 on a second longitudinal side of said booth.

14. An installation in accordance with claim 1,
wherein there is provided a control unit for the ro-
tation and the translations of said powder spray de-
vice.

5 15. An installation in accordance with claim,
wherein there is provided a third linear axle by
means of which said guide arm is arranged in a mobile
manner on a third axis.